

- e) computing the three-dimensional volumetric electrical field distribution of said heart chamber volume from a spherical harmonic series expression containing said measured electrical potentials, and said array position; and
- f) displaying said volumetric electrical field distribution.

2. The method of claim 1, wherein step f) further comprises displaying the volumetric electrical field distribution on a display surface representing the heart chamber volume and shape.

a) 3. The method of claim 2, further comprising displaying the position of the array within said heart chamber on the display generated in step f).

4. The method of claim 1, wherein step f) further comprises displaying the volumetric electrical field distribution on a wire grid display surface representing the heart chamber volume and shape.

b) 5. The method of claim 1, wherein step f) further comprises displaying the volumetric electrical field distribution as a set of iso-potential lines on a display surface representing the heart chamber volume and shape.

c) 6. The method of claim 1, wherein step f) further comprises displaying the volumetric electrical field distribution as a set of continuously filled color scale areas on a display surface representing the heart chamber volume and shape.

d) 7. The method of claim 4, wherein step f) further comprises displaying the volumetric electrical field distribution as a set of continuously filled color scale areas superimposed on the wire grid display surface representing the heart chamber volume and shape.

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REMARKS

Pending Claims: